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1 **Flexible models with evolving structure**
Angelov, P.P.; Filev, D.P.;
Intelligent Systems, 2002. Proceedings. 2002 First International IEEE Symposium , Volume: 2 , 10-12 Sept. 2002
Pages:28 - 33 vol.2

[Abstract] [PDF Full-Text (590 KB)] IEEE CNF

2 **Nonlinear singular spectrum analysis**
Hsieh, W.W.; Aiming Wu;
Neural Networks, 2002. IJCNN '02. Proceedings of the 2002 International Joint Conference on , Volume: 3 , 12-17 May 2002
Pages:2819 - 2824

[Abstract] [PDF Full-Text (543 KB)] IEEE CNF

3 **Predictive bandwidth control for MPEG video: a wavelet approach for self-similar parameters estimation**
Yen-Chieh Ouyang; Li-Bin Yeh;
Communications, 2001. ICC 2001. IEEE International Conference on , Volume: 5 , 11-14 June 2001
Pages:1551 - 1555 vol.5

[Abstract] [PDF Full-Text (420 KB)] IEEE CNF

4 **Dynamic targets - adapting supervised learning to time series classification**
Haselsteiner, E.;
Neural Networks, 1999. IJCNN '99. International Joint Conference on , Volume: 3 , 10-16 July 1999

Pages:1533 - 1537 vol.3

[Abstract] [PDF Full-Text (320 KB)] IEEE CNF

5 **IJCNN'99. International Joint Conference on Neural Networks. Proceedings (Cat. No.99CH36339)**

Neural Networks, 1999. IJCNN '99. International Joint Conference on , Volume: 1 , 10-16 July 1999
[Abstract] [PDF Full-Text (2448 KB)] IEEE CNF

6 **Applying a neural network to the adaptive control for JIT production systems**
Takahashi, K.; Nakamura, N.;
Control Applications, 1999. Proceedings of the 1999 IEEE International Conference on , Volume: 2 , 22-27 Aug. 1999
Pages:1648 - 1653 vol. 2

[Abstract] [PDF Full-Text (388 KB)] IEEE CNF

7 **A multistage, multimethod approach for automatic detection and classification of epileptiform EEG**
He Sheng Liu; Tong Zhang; Fu Sheng Yang;
Biomedical Engineering, IEEE Transactions on , Volume: 49 , Issue: 12 , Dec. 2002

Pages:1557 - 1566

[Abstract] [PDF Full-Text (465 KB)] IEEE JNL

8 **Introduction to the modified probabilistic neural network for general signal processing applications**
Zaknich, A.;
Signal Processing, IEEE Transactions on [see also Acoustics, Speech, and Signal Processing, IEEE Transactions on] , Volume: 46 , Issue: 7 , July 1998
Pages:1980 - 1990

[Abstract] [PDF Full-Text (316 KB)] IEEE JNL

9 **Dynamics modelling in brain circulation**
Silipo, R.; Schittenkopf, C.; Deco, G.; Brawanski, A.;
Neural Networks for Signal Processing [1997] VII. Proceedings of the 1997 IEEE Workshop , 24-26 Sept. 1997
Pages:162 - 171

[Abstract] [PDF Full-Text (500 KB)] IEEE CNF

10 **A new sequential learning algorithm using pseudo-Gaussian functions for neuro-fuzzy systems**
Rojas, I.; Pomares, H.; Gonzalez, J.; Gloesekotter, P.; Diestuhl, J.; Goser, K.;
Fuzzy Systems, 2001. The 10th IEEE International Conference on , Volume: 3 , 2-5 Dec. 2001
Pages:1243 - 1246

[Abstract] [PDF Full-Text (477 KB)] IEEE CNF

11 **On performance measures of artificial neural networks trained by structural learning algorithms**
Kozma, R.; Kitamura, M.; Malinowski, A.; Zurada, J.M.;
Artificial Neural Networks and Expert Systems, 1995. Proceedings., Second New Zealand International Two-Stream Conference on , 20-23 Nov. 1995
Pages:22 - 25

[Abstract] [PDF Full-Text (408 KB)] IEEE CNF

12 **Optimizing multilayer neural networks using fractal dimensions of time-series data**
Matsuba, I.; Masui, H.; Hebishima, S.;
Neural Networks, 1992. IJCNN., International Joint Conference on , Volume: 1 , 7-11 June 1992
Pages:583 - 588 vol.1

[Abstract] [PDF Full-Text (308 KB)] IEEE CNF

13 **Short-term congestion prediction: comparing time series with neural networks**
Huisken, G.; Coffa, A.;
Road Transport Information and Control, 2000. Tenth International Conference on (Conf. Publ. No. 472) , 4-6 April 2000
Pages:66 - 69

[Abstract] [PDF Full-Text (296 KB)] IEE CNF

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1 Early bankruptcy detection using neural networks
Gottfried Rudorfer
June 1995 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on Applied programming languages**, Volume 25 Issue 4
Full text available: pdf(810.07 KB) Additional Information: full citation, abstract, references, index terms

In 1993, Austria had the highest number of bankruptcies since 1945. The total liabilities came to approximately US$3 billion.Powerful tools for the early detection of company risks are very important to avoid high economic losses. Artificial neural networks (ANN) are suitable for many tasks in pattern recognition and machine learning. In this paper we present an ANN for early detection of company failures using balance sheet ratios. The neural network has been successfully ...

Keywords: APL, artificial neural networks, backpropagation, balance sheet ratios, bankruptcy, discriminant analysis

2 Face recognition: A literature survey
W. Zhao, R. Chellappa, P. J. Phillips, A. Rosenfeld
December 2003 **ACM Computing Surveys (CSUR)**, Volume 35 Issue 4
Full text available: pdf(4.28 MB) Additional Information: full citation, abstract, references, index terms

As one of the most successful applications of image analysis and understanding, face recognition has recently received significant attention, especially during the past several years. At least two reasons account for this trend: the first is the wide range of commercial and law enforcement applications, and the second is the availability of feasible technologies after 30 years of research. Even though current machine recognition systems have reached a certain level of maturity, their success is ...

Keywords: Face recognition, person identification

3 A cascading neural-net for traffic management of computer networks
Jiann-Liang Chen
March 1993 **Proceedings of the 1993 ACM conference on Computer science**
Full text available: pdf(707.41 KB) Additional Information: full citation, abstract, references, index terms

An effective method to execute the traffic management of computer networks using a

cascading neural-net (CNN) is proposed in this paper. The proposed CNN consists of a two-level neural model. The lower level, the back-propagation neural model, will detect whether the tested network is overloaded or not. The higher level, the counter-propagation neural model, will classify and exclude the status of congestion derived from the overload of tested network. Therefore, if the diagnostic e ...

4 Chaos engineering in Japan
Kazuyuki Aihara, Ryu Katayama
November 1995 **Communications of the ACM**, Volume 38 Issue 11
Full text available: pdf(431.25 KB) Additional Information: full citation, abstract, references, index terms

Since deterministic chaos is not only a profound concept in science but also a ubiquitous phenomenon in real-world nonlinear systems, extending to a variety of temporal and spatial scales, it can be naturally related to applications in science and technology [4]. In fact, it is not difficult to find the buds of such possible applications in historical papers by Van der Pol and Van der Mark [22], Ulam and von Neumann [21], and Kalman [12], although the term deterministic chaos

5 Special issue on special feature: Extensions to metric based model selection
Yoshua Bengio, Nicolas Chapados
March 2003 **The Journal of Machine Learning Research**, Volume 3
Full text available: pdf(156.01 KB) Additional Information: full citation, abstract, index terms

Metric-based methods have recently been introduced for model selection and regularization, often yielding very significant improvements over the alternatives tried (including cross-validation). All these methods require unlabeled data over which to compare functions and detect gross differences in behavior away from the training points. We introduce three new extensions of the metric model selection methods and apply them to feature selection. The first extension takes advantage of the particula ...

6 Data mining techniques for optimizing inventories for electronic commerce
Anjali Dhond, Amar Gupta, Sanjeev Vadhavkar
August 2000 **Proceedings of the sixth ACM SIGKDD international conference on Knowledge discovery and data mining**
Full text available: pdf(238.69 KB) Additional Information: full citation, references, index terms

Keywords: data massaging, inventory optimization, temporal data mining

7 Image II: Latent semantic analysis of facial action codes for automatic facial expression recognition
Beat Fasel, Florent Monay, Daniel Gatica-Perez
October 2004 **Proceedings of the 6th ACM SIGMM international workshop on Multimedia information retrieval**
Full text available: pdf(652.89 KB) Additional Information: full citation, abstract, references, index terms

For supervised training of automatic facial expression recognition systems, adequate ground truth labels that describe relevant facial expression categories are necessary. One possibility is to label facial expressions into emotion categories. Another approach is to label facial expressions independently from any interpretation attempts. This can be achieved via the facial action coding system (FACS). In this paper we present a novel approach that allows to automatically cluster FACScodes int ...

Keywords: automatic facial expression recognition, latent semantic analysis

8 Special issue on special feature: An introduction to variable and feature selection

Isabelle Guyon, André Elisseeff

March 2003 **The Journal of Machine Learning Research**, Volume 3

Full text available: pdf(862.82 KB) Additional Information: full citation, abstract, citings, index terms

Variable and feature selection have become the focus of much research in areas of application for which datasets with tens or hundreds of thousands of variables are available. These areas include text processing of internet documents, gene expression array analysis, and combinatorial chemistry. The objective of variable selection is three-fold: improving the prediction performance of the predictors, providing faster and more cost-effective predictors, and providing a better understanding of the ...

9 Research track: Online novelty detection on temporal sequences

Junshui Ma, Simon Perkins

August 2003 **Proceedings of the ninth ACM SIGKDD international conference on Knowledge discovery and data mining**

Full text available: pdf(800.25 KB) Additional Information: full citation, abstract, references, index terms

In this paper, we present a new framework for online novelty detection on temporal sequences. This framework include a mechanism for associating each detection result with a confidence value. Based on this framework, we develop a concrete online detection algorithm, by modeling the temporal sequence using an online support vector regression algorithm. Experiments on both synthetic and real world data are performed to demonstrate the promising performance of our proposed detection algorithm.

Keywords: anomaly detection, novelty detection, online algorithm, support vector regression

10 Time series forecasting using neural networks

Thomas Kolarik, Gottfried Rudorfer

August 1994 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL : the language and its applications: the language and its applications**, Volume 25 Issue 1

Full text available: pdf(657.67 KB) Additional Information: full citation, abstract, references, citings, index terms

Artificial neural networks are suitable for many tasks in pattern recognition and machine learning. In this paper we present an APL system for forecasting univariate time series with artificial neural networks. Unlike conventional techniques for time series analysis, an artificial neural network needs little information about the time series data and can be applied to a broad range of problems. However, the problem of network "tuning" remains: parameters of the backpropagation a ...

11 Reports: Report on the 3rd web dynamics workshop, at WWW'2004

Mark Levene, Alexandra Poulovassilis

September 2004 **ACM SIGMOD Record**, Volume 33 Issue 3

Full text available: pdf(97.67 KB) Additional Information: full citation, abstract, references

The web is highly dynamic in both the content and quantity of the information that it encompasses. In order to fully exploit its enormous potential as a global repository of information, we need to understand how its size, topology, and content are evolving. This then allows the development of new techniques for locating and retrieving information that are better able to adapt and scale to its change and growth. The web's users are highly diverse and can access the it from a variety of device ...

12 A survey on wavelet applications in data mining
Tao Li, Qi Li, Shenghuo Zhu, Mitsunori Ogihara
December 2002 **ACM SIGKDD Explorations Newsletter**, Volume 4 Issue 2
Full text available: pdf(330.06 KB) Additional Information: full citation, abstract, references, citings

Recently there has been significant development in the use of wavelet methods in various data mining processes. However, there has been written no comprehensive survey available on the topic. The goal of this is paper to fill the void. First, the paper presents a high-level data-mining framework that reduces the overall process into smaller components. Then applications of wavelets for each component are reviewd. The paper concludes by discussing the impact of wavelets on data mining research an ...

13 Approximations: Sketch-based change detection: methods, evaluation, and applications
Balachander Krishnamurthy, Subhabrata Sen, Yin Zhang, Yan Chen
October 2003 **Proceedings of the 3rd ACM SIGCOMM conference on Internet measurement**
Full text available: pdf(309.23 KB) Additional Information: full citation, abstract, references, citings, index terms

Traffic anomalies such as failures and attacks are commonplace in today's network, and identifying them rapidly and accurately is critical for large network operators. The detection typically treats the traffic as a collection of flows that need to be examined for significant changes in traffic pattern (eg, volume, number of connections). However, as link speeds and the number of flows increase, keeping per-flow state is either too expensive or too slow. We propose building compact summaries of ...

Keywords: change detection, data stream computation, forecasting, network anomaly detection, sketch, time series analysis

14 Segmentation of merged characters by neural networks and shortest-path
Jin Wang, Jack Jean
March 1993 **Proceedings of the 1993 ACM/SIGAPP symposium on Applied computing: states of the art and practice**
Full text available: pdf(833.10 KB) Additional Information: full citation, references, index terms

15 ANNIE: a simulated neural network for empirical studies and application prototyping
Wendy L. Huxhold, Troy F. Henson, J. Dan Bowman
April 1992 **Proceedings of the 25th annual symposium on Simulation**
Full text available: pdf(690.67 KB) Additional Information: full citation, references, index terms

16 Modeling II: 3D object reconstruction and representation using neural networks
Lim Wen Peng, Siti Mariyam Shamsuddin
June 2004 **Proceedings of the 2nd international conference on Computer graphics and interactive techniques in Australasia and Southe East Asia**
Full text available: pdf(468.49 KB) Additional Information: full citation, abstract, references

3D object reconstruction is frequent used in various fields such as product design, engineering, medical and artistic applications. Numerous reconstruction techniques and software were introduced and developed. However, the purpose of this paper is to fully integrate an adaptive artificial neural network (ANN) based method in reconstructing and representing 3D objects. This study explores the ability of neural networks in learning

through experience when reconstructing an object by estimating it ...

Keywords: affined transformation, back propagation, multilayer feed-forward neural networks, object space, reconstruction, representation, third order polynomial

17 A neural network for target classification using passive sonar
Robert H. Baran, James P. Coughlin
May 1991 **Proceedings of the conference on Analysis of neural network applications**
Full text available: pdf(826.77 KB) Additional Information: full citation, references, index terms

18 Mining sales data using a neural network model of market response
Thomas S. Gruca, Bruce R. Klemz, E. Ann Furr Petersen
June 1999 **ACM SIGKDD Explorations Newsletter**, Volume 1 Issue 1
Full text available: pdf(549.98 KB) Additional Information: full citation, abstract, references

Modeling aggregate market response is a core issue in marketing research. In this research, we extend previous forecasting comparative research by comparing the forecasting accuracy of feed-forward neural network models to the premier market modeling technique, Multiplicative Competitive Interaction (MCI) models. Forecasts are compared in two separate studies: (1) the Information Resources Inc. (IRI) coffee dataset from Marion, IN and (2) the A. C. Nielsen catsup dataset from Sioux Falls, SD. Ou ...

Keywords: market response model, neural networks, sales/market share forecasting

19 Data streams II: Clustering of streaming time series is meaningless
Jessica Lin, Eamonn Keogh, Wagner Truppel
June 2003 **Proceedings of the 8th ACM SIGMOD workshop on Research issues in data mining and knowledge discovery**
Full text available: pdf(648.63 KB) Additional Information: full citation, abstract, references

Time series data is perhaps the most frequently encountered type of data examined by the data mining community. Clustering is perhaps the most frequently used data mining algorithm, being useful in it's own right as an exploratory technique, and also as a subroutine in more complex data mining algorithms such as rule discovery, indexing, summarization, anomaly detection, and classification. Given these two facts, it is hardly surprising that time series clustering has attracted much attention. T ...

Keywords: clustering, data mining, data streams, rule discovery, time series

20 Temporal sequence learning and data reduction for anomaly detection
Terran Lane, Carla E. Brodley
August 1999 **ACM Transactions on Information and System Security (TISSEC)**, Volume 2 Issue 3
Full text available: pdf(628.31 KB) Additional Information: full citation, abstract, references, citings, index terms

The anomaly-detection problem can be formulated as one of learning to characterize the behaviors of an individual, system, or network in terms of temporal sequences of discrete data. We present an approach on the basis of instance-based learning (IBL) techniques. To cast the anomaly-detection task in an IBL framework, we employ an approach that transforms temporal sequences of discrete, unordered observations into a metric space via a similarity measure that encodes intra-attribute depende ...

Keywords: anomaly detection, clustering, data reduction, empirical evaluation, instance based learning, machine learning, user profiling

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21 Research track papers: Towards parameter-free data mining

Eamonn Keogh, Stefano Lonardi, Chotirat Ann Ratanamahatana

August 2004 **Proceedings of the 2004 ACM SIGKDD international conference on Knowledge discovery and data mining**

Full text available: pdf(770.63 KB) Additional Information: full citation, abstract, references, index terms

Most data mining algorithms require the setting of many input parameters. Two main dangers of working with parameter-laden algorithms are the following. First, incorrect settings may cause an algorithm to fail in finding the true patterns. Second, a perhaps more insidious problem is that the algorithm may report spurious patterns that do not really exist, or greatly overestimate the significance of the reported patterns. This is especially likely when the user fails to understand the role of par ...

Keywords: anomaly detection, clustering, parameter-free data mining

22 Multimedia data mining: Automatic classification of speech and music using neural networks

M. Kashif Saeed Khan, Wasfi G. Al-Khatib, Muhammad Moinuddin

November 2004 **Proceedings of the 2nd ACM international workshop on Multimedia databases**

Full text available: pdf(1.67 MB) Additional Information: full citation, abstract, references, index terms

The importance of automatic discrimination between speech signals and music signals has evolved as a research topic over recent years. The need to classify audio into categories such as speech or music is an important aspect of many multimedia document retrieval systems. Several approaches have been previously used to discriminate between speech and music data. In this paper, we propose the use of the mean and variance of the discrete wavelet transform in addition to other features that have ...

Keywords: audio features, audio signal processing, content-based indexing, music speech classification, neural networks

23 Computer applications in health care (CAHC): Regularized B-spline network and its application to heart arrhythmia classification

Jie Zhou, Liqun Li

March 2004 **Proceedings of the 2004 ACM symposium on Applied computing**

Full text available: pdf(163.10 KB) Additional Information: full citation, abstract, references, index terms

This paper presents an effective learning scheme that combines B-spline modeling and regularized neural networks. Essential issues of structural design and learning process are discussed. Regularization theory is leveraged to design the topological structure of the network. A training algorithm is derived for the learning of both synaptic weights and B-spline coefficients. The approach is then applied to the medical problem of heart arrhythmia detection, particularly the detection of premature v ...

Keywords: B-spline modeling, heart arrhythmia detection, regularized neural network

24 Temporal sequence learning and data reduction for anomaly detection

Terran Lane, Carla E. Brodley

November 1998 **Proceedings of the 5th ACM conference on Computer and communications security**

Full text available: pdf(1.12 MB) Additional Information: full citation, references, citings, index terms

25 Measuring system normality

Mark Burgess, Hårek Haugerud, Sigmund Straumsnes, Trond Reitan

May 2002 **ACM Transactions on Computer Systems (TOCS)**, Volume 20 Issue 2

Full text available: pdf(794.43 KB) Additional Information: full citation, abstract, references, citings, index terms

A comparative analysis of transaction time-series is made, for light to moderately loaded hosts, motivated by the problem of anomaly detection in computers. Criteria for measuring the statistical state of hosts are examined. Applying a scaling transformation to the measured data, it is found that the distribution of fluctuations about the mean is closely approximated by a steady-state, maximum-entropy distribution, modulated by a periodic variation. The shape of the distribution, under these con ...

Keywords: Anomaly detection, statistical mechanics

26 System design methodologies and experiences: Artificial neural network implementation on a single FPGA of a pipelined on-line backpropagation

Rafael Gadea, Joaquín Cerdá, Franciso Ballester, Antonio Mocholí

September 2000 **Proceedings of the 13th international symposium on System synthesis**

Full text available: pdf(179.87 KB) Additional Information: full citation, abstract, references

The paper describes the implementation of a systolic array for a multilayer perceptron on a Virtex XCV400 FPGA with a hardware-friendly learning algorithm. A pipelined adaptation of the on-line backpropagation algorithm is shown. Parallelism is better exploited because both forward and backward phases can be performed simultaneously. We can implement very large interconnection layers by using large Xilinx devices with embedded memories alongside the projection used in the systolic architecture. ...

27 Applications: Semantic context detection based on hierarchical audio models

Wen-Huang Cheng, Wei-Ta Chu, Ja-Ling Wu

November 2003 **Proceedings of the 5th ACM SIGMM international workshop on Multimedia information retrieval**

Full text available: pdf(329.94 KB) Additional Information: full citation, abstract, references, index terms

Semantic context detection is one of the key techniques to facilitate efficient multimedia retrieval. Semantic context is a scene that completely represents a meaningful information

segment to human beings. In this paper, we propose a novel hierarchical approach that models the statistical characteristics of several audio events, over a time series, to accomplish semantic context detection. The approach consists of two stages: audio event and semantic context detections. HMMs are used to model b ...

Keywords: Gaussian mixture model, audio content analysis, audio retrieval, hidden Markov model, semantic context

28 Gesture recognition using recurrent neural networks

Kouichi Murakami, Hitomi Taguchi

March 1991 **Proceedings of the SIGCHI conference on Human factors in computing systems: Reaching through technology**

Full text available: pdf(550.74 KB) Additional Information: full citation, references, citings, index terms

29 Streams and time series: Bursty and hierarchical structure in streams

Jon Kleinberg

July 2002 **Proceedings of the eighth ACM SIGKDD international conference on Knowledge discovery and data mining**

Full text available: pdf(1.21 MB) Additional Information: full citation, abstract, references, citings, index terms

A fundamental problem in text data mining is to extract meaningful structure from document streams that arrive continuously over time. E-mail and news articles are two natural examples of such streams, each characterized by topics that appear, grow in intensity for a period of time, and then fade away. The published literature in a particular research field can be seen to exhibit similar phenomena over a much longer time scale. Underlying much of the text mining work in this area is the followin ...

30 Streams and time series: On the need for time series data mining benchmarks: a survey and empirical demonstration

Eamonn Keogh, Shruti Kasetty

July 2002 **Proceedings of the eighth ACM SIGKDD international conference on Knowledge discovery and data mining**

Full text available: pdf(1.01 MB) Additional Information: full citation, abstract, references, citings, index terms

In the last decade there has been an explosion of interest in mining time series data. Literally hundreds of papers have introduced new algorithms to index, classify, cluster and segment time series. In this work we make the following claim. Much of this work has very little utility because the contribution made (speed in the case of indexing, accuracy in the case of classification and clustering, model accuracy in the case of segmentation) offer an amount of "improvement" that would have been c ...

Keywords: data mining, experimental evaluation, time series

31 Research track papers: Clustering time series from ARMA models with clipped data

A. J. Bagnall, G. J. Janacek

August 2004 **Proceedings of the 2004 ACM SIGKDD international conference on Knowledge discovery and data mining**

Full text available: pdf(305.69 KB) Additional Information: full citation, abstract, references, index terms

Clustering time series is a problem that has applications in a wide variety of fields, and has recently attracted a large amount of research. In this paper we focus on clustering data

derived from Autoregressive Moving Average (ARMA) models using k-means and k-medoids algorithms with the Euclidean distance between estimated model parameters. We justify our choice of clustering technique and distance metric by reproducing results obtained in related research. Our research aim is to assess the aff ...

Keywords: ARMA, clustering, time series

32 Performance comparison of neural networks and pattern recognition techniques for classifying ultrasonic transducers
M. S. Obaidat, D. S. Abu-Saymeh
March 1992 **Proceedings of the 1992 ACM/SIGAPP symposium on Applied computing: technological challenges of the 1990's**
Full text available: pdf(1.03 MB) Additional Information: full citation, references, index terms

33 Spacial classification and multi-spectral fusion with neural networks
Craig Harston
May 1991 **Proceedings of the conference on Analysis of neural network applications**
Full text available: pdf(546.63 KB) Additional Information: full citation, references, index terms

34 A multimodal learning interface for grounding spoken language in sensory perceptions
Chen Yu, Dana H. Ballard
July 2004 **ACM Transactions on Applied Perception (TAP)**, Volume 1 Issue 1
Full text available: pdf(1.73 MB) Additional Information: full citation, abstract, references, index terms

We present a multimodal interface that learns words from natural interactions with users. In light of studies of human language development, the learning system is trained in an unsupervised mode in which users perform everyday tasks while providing natural language descriptions of their behaviors. The system collects acoustic signals in concert with user-centric multisensory information from nonspeech modalities, such as user's perspective video, gaze positions, head directions, and hand moveme ...

Keywords: Multimodal learning, cognitive modeling, multimodal interaction

35 Session 3: inference and statistical analysis: A signal analysis of network traffic anomalies
Paul Barford, Jeffery Kline, David Plonka, Amos Ron
November 2002 **Proceedings of the 2nd ACM SIGCOMM Workshop on Internet measurment**
Full text available: pdf(1.52 MB) Additional Information: full citation, abstract, references, citings, index terms

Identifying anomalies rapidly and accurately is critical to the efficient operation of large computer networks. Accurately characterizing important classes of anomalies greatly facilitates their identification; however, the subtleties and complexities of anomalous traffic can easily confound this process. In this paper we report results of signal analysis of four classes of network traffic anomalies: outages, flash crowds, attacks and measurement failures. Data for this study consists of IP flow ...

36 Modeling focus of attention for meeting indexing
Rainer Stiefelhagen, Jie Yang, Alex Waibel

October 1999 **Proceedings of the seventh ACM international conference on Multimedia (Part 1)**
Full text available: pdf(1.94 MB) Additional Information: full citation, references, citings, index terms

37 Pattern discovery and forecasting: F4: large-scale automated forecasting using fractals
Deepayan Chakrabarti, Christos Faloutsos
November 2002 **Proceedings of the eleventh international conference on Information and knowledge management**
Full text available: pdf(374.76 KB) Additional Information: full citation, abstract, references, index terms

Forecasting has attracted a lot of research interest, with very successful methods for periodic time series. Here, we propose a fast, automated method to do non-linear forecasting, for both periodic as well as *chaotic* time series. We use the technique of *delay coordinate embedding*, which needs several parameters; our contribution is the automated way of setting these parameters, using the concept of `intrinsic dimensionality'. Our operational system has fast and scalable algorithms ...

Keywords: automated forecasting, fractals, time series

38 Session 9A: System level test and reliability: Accurate CMOS bridge fault modeling with neural network-based VHDL saboteurs
Don Shaw, Dhamin Al-Khalili, Côme Rozon
November 2001 **Proceedings of the 2001 IEEE/ACM international conference on Computer-aided design**
Full text available: pdf(137.79 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper presents a new bridge fault model that is based on a multiple layer feedforward neural network and implemented within the framework of a VHDL saboteur cell. Empirical evidence and experimental results show that it satisfies a prescribed set of bridge fault model criteria better than existing approaches. The new model computes exact bridged node voltages and propagation delay times with due attention to surrounding circuit elements. This is significant since, with the exception of full ...

Keywords: CMOS ICs, VHDL, bridge defects, fault models, fault simulation, neural networks

39 Industry/government track papers: Early detection of insider trading in option markets
Steve Donoho
August 2004 **Proceedings of the 2004 ACM SIGKDD international conference on Knowledge discovery and data mining**
Full text available: pdf(288.76 KB) Additional Information: full citation, abstract, references, index terms

"Inside information" comes in many forms: knowledge of a corporate takeover, a terrorist attack, unexpectedly poor earnings, the FDA's acceptance of a new drug, etc. Anyone who knows some piece of soon-to-break news possesses inside information. Historically, insider trading has been detected after the news is public, but this is often too late: fraud has been perpetrated, innocent investors have been disadvantaged, or terrorist acts have been carried out. This paper explores early detection of ...

Keywords: behavior detection, data mining, fraud detection, insider trading

40 Experiences with criticality predictions in software development



Christof Ebert

November 1997 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 6th European conference held jointly with the 5th ACM SIGSOFT international symposium on Foundations of software engineering,** Volume 22 Issue 6

Full text available: pdf(1.36 MB) Additional Information: full citation, references, citings, index terms

Keywords: classification, criticality prediction, data analysis, eomplexity, quality models, software metrics

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41 Computer security (SEC): Unsupervised learning techniques for an intrusion detection system

Stefano Zanero, Sergio M. Savaresi

March 2004 **Proceedings of the 2004 ACM symposium on Applied computing**

Full text available: pdf(337.99 KB) Additional Information: full citation, abstract, references, index terms

With the continuous evolution of the types of attacks against computer networks, traditional intrusion detection systems, based on pattern matching and static signatures, are increasingly limited by their need of an up-to-date and comprehensive knowledge base. Data mining techniques have been successfully applied in host-based intrusion detection. Applying data mining techniques on raw network data, however, is made difficult by the sheer size of the input; this is usually avoided by discarding ...

Keywords: K-means, anomaly detection, intrusion detection, principal direction divisive partitioning, quality of clusters, self-organizing maps, unsupervised clustering

42 The base-rate fallacy and the difficulty of intrusion detection

Stefan Axelsson

August 2000 **ACM Transactions on Information and System Security (TISSEC)**, Volume 3 Issue 3

Full text available: pdf(124.41 KB) Additional Information: full citation, abstract, references, citings, index terms

Many different demands can be made of intrusion detection systems. An important requirement is that an intrusion detection system be effective; that is, it should detect a substantial percentage of intrusions into the supervised system, while still keeping the false alarm rate at an acceptable level. This article demonstrates that, for a reasonable set of assumptions, the false alarm rate is the limiting factor for the performance of an intrusion detection system. This is d ...

Keywords: base-rate fallacy, detection rate, false alarm rate, intrusion detection

43 Hybrid Poisson process

Ayman Farahat

August 2000 **Proceedings of the sixth ACM SIGKDD international conference on Knowledge discovery and data mining**

Full text available: pdf(156.47 KB) Additional Information: full citation, references, index terms

44 Generalized additive neural networks
William J. E. Potts
August 1999 **Proceedings of the fifth ACM SIGKDD international conference on Knowledge discovery and data mining**
Full text available: pdf(628.73 KB) Additional Information: full citation, references, index terms

Keywords: additive models, partial residuals, predictive modeling

45 Speech and gaze: A multimodal learning interface for grounding spoken language in sensory perceptions
Chen Yu, Dana H. Ballard
November 2003 **Proceedings of the 5th international conference on Multimodal interfaces**
Full text available: pdf(849.56 KB) Additional Information: full citation, abstract, references, index terms

Most speech interfaces are based on natural language processing techniques that use pre-defined symbolic representations of word meanings and process only linguistic information. To understand and use language like their human counterparts in multimodal human-computer interaction, computers need to acquire spoken language and map it to other sensory perceptions. This paper presents a multimodal interface that learns to associate spoken language with perceptual features by being situated in users ...

Keywords: language acquisition, machine learning, multimodal integration

46 Research track: Indexing multi-dimensional time-series with support for multiple distance measures
Michail Vlachos, Marios Hadjieleftheriou, Dimitrios Gunopulos, Eamonn Keogh
August 2003 **Proceedings of the ninth ACM SIGKDD international conference on Knowledge discovery and data mining**
Full text available: pdf(906.69 KB) Additional Information: full citation, abstract, references, index terms

Although most time-series data mining research has concentrated on providing solutions for a single distance function, in this work we motivate the need for a single index structure that can support multiple distance measures. Our specific area of interest is the efficient retrieval and analysis of trajectory similarities. Trajectory datasets are very common in environmental applications, mobility experiments, video surveillance and are especially important for the discovery of certain biologica ...

Keywords: dynamic time warping, longest common subsequence, trajectories

47 Analysis of a biologically motivated neural network for character recognition
M. D. Garris, R. A. Wilkinson, C. L. Wilson
May 1991 **Proceedings of the conference on Analysis of neural network applications**
Full text available: pdf(1.56 MB) Additional Information: full citation, references, index terms

48

ARIMA time series modeling and forecasting for adaptive I/O prefetching
Nancy Tran, Daniel A. Reed
June 2001 **Proceedings of the 15th international conference on Supercomputing**

Full text available: pdf(485.27 KB) Additional Information: full citation, abstract, references, citings, index terms

Bursty application I/O patterns, together with transfer limited storage devices, combine to create a major I/O bottleneck on parallel systems. This paper explores the use of time series models to forecast application I/O request times, then prefetching I/O requests during computation intervals to hide I/O latency. Experimental results with I/O intensive scientific codes show performance improvements compared to standard UNIX prefetching strategies.

Keywords: I/O, access pattern, modeling, prefetching, times series

49 Technical papers: dynamic program analysis: Semantic anomaly detection in online data sources
Orna Raz, Philip Koopman, Mary Shaw
May 2002 **Proceedings of the 24th International Conference on Software Engineering**

Full text available: pdf(1.45 MB) Additional Information: full citation, abstract, references, citings, index terms

Much of the software we use for everyday purposes incorporates elements developed and maintained by someone other than the developer. These elements include not only code and databases but also dynamic data feeds from online data sources. Although everyday software is not mission critical, it must be dependable enough for practical use. This is limited by the dependability of the incorporated elements.It is particularly difficult to evaluate the dependability of dynamic data feeds, because they ...

50 Fast detection of communication patterns in distributed executions
Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Full text available: pdf(4.21 MB) Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

51 Writing the web: Mining topic-specific concepts and definitions on the web
Bing Liu, Chee Wee Chin, Hwee Tou Ng
May 2003 **Proceedings of the twelfth international conference on World Wide Web**

Full text available: pdf(245.66 KB) Additional Information: full citation, abstract, references, citings, index terms

Traditionally, when one wants to learn about a particular topic, one reads a book or a survey paper. With the rapid expansion of the Web, learning in-depth knowledge about a topic from the Web is becoming increasingly important and popular. This is also due to the Web's convenience and its richness of information. In many cases, learning from the Web may even be essential because in our fast changing world, emerging topics appear constantly and rapidly. There is often not enough time for someone ...

Keywords: definition mining, domain concept mining, information integration, knowledge compilation, web content mining

52 Data mining to detect abnormal behavior in aerospace data
José M. Peña, Fazel Famili, Sylvain Létourneau
August 2000 **Proceedings of the sixth ACM SIGKDD international conference on Knowledge discovery and data mining**
Full text available: pdf(179.60 KB) Additional Information: full citation, references, index terms

Keywords: data partitioning, machine learning, trend monitoring

53 Neural networks and open texture
Trevor Bench-Capon
August 1993 **Proceedings of the fourth international conference on Artificial intelligence and law**
Full text available: pdf(616.83 KB) Additional Information: full citation, abstract, references, citings, index terms

In this paper some experiments designed to explore the suitability of using neural nets to tackle problems of open texture in law are described. Three key questions are investigated: can a net classify cases successfully; can an acceptable rationale be uncovered by an examination of the net; and can we derive rules describing the problem from an examination of the net?

54 Passive measurements: Characteristics of network traffic flow anomalies
Paul Barford, David Plonka
November 2001 **Proceedings of the 1st ACM SIGCOMM Workshop on Internet Measurement**
Full text available: pdf(2.94 MB) Additional Information: full citation, references, citings, index terms

55 Industry/government track posters: Mining traffic data from probe-car system for travel time prediction
Takayuki Nakata, Jun-ichi Takeuchi
August 2004 **Proceedings of the 2004 ACM SIGKDD international conference on Knowledge discovery and data mining**
Full text available: pdf(297.21 KB) Additional Information: full citation, abstract, references, index terms

We are developing a technique to predict travel time of a vehicle for an objective road section, based on real time traffic data collected through a probe-car system. In the area of Intelligent Transport System (ITS), travel time prediction is an important subject. Probe-car system is an upcoming data collection method, in which a number of vehicles are used as moving sensors to detect actual traffic situation. It can collect data concerning much larger area, compared with traditional fixed dete ...

Keywords: ITS, information criterion, probe-car, time series, travel time

56 A learning method for neural networks with a subordinate evaluation function
Kenji Ohkuma
March 1992

Proceedings of the 1992 ACM/SIGAPP symposium on Applied computing: technological challenges of the 1990's

Full text available: pdf(396.27 KB) Additional Information: full citation, references, index terms

57 Adaptive, unsupervised stream mining

Spiros Papadimitriou, Anthony Brockwell, Christos Faloutsos

September 2004 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 13 Issue 3

Full text available: pdf(856.86 KB) Additional Information: full citation, abstract

Sensor devices and embedded processors are becoming widespread, especially in measurement/monitoring applications. Their limited resources (CPU, memory and/or communication bandwidth, and power) pose some interesting challenges. We need concise, expressive models to represent the important features of the data and that lend themselves to efficient estimation. In particular, under these severe constraints, we want models and estimation methods that (a) require little memory and a single pass over ...

58 Contributed articles on online, interactive, and anytime data mining: MobiMine: monitoring the stock market from a PDA

Hillol Kargupta, Byung-Hoon Park, Sweta Pittie, Lei Liu, Deepali Kushraj, Kakali Sarkar

January 2002 **ACM SIGKDD Explorations Newsletter**, Volume 3 Issue 2

Full text available: pdf(1.16 MB) Additional Information: full citation, abstract, references, citings

This paper describes an experimental mobile data mining system that allows intelligent monitoring of time-critical financial data from a hand-held PDA. It presents the overall system architecture and the philosophy behind the design. It explores one particular aspect of the system---automated construction of personalized focus area that calls for user's attention. This module works using data mining techniques. The paper describes the data mining component of the system that employs a novel Four ...

59 a CAPpella: programming by demonstration of context-aware applications

Anind K. Dey, Raffay Hamid, Chris Beckmann, Ian Li, Daniel Hsu

April 2004 **Proceedings of the 2004 conference on Human factors in computing systems**

Full text available: pdf(637.49 KB) Additional Information: full citation, abstract, references, index terms

Context-aware applications are applications that implicitly take their context of use into account by adapting to changes in a user's activities and environments. No one has more intimate knowledge about these activities and environments than end-users themselves. Currently there is no support for end-users to build context-aware applications for these dynamic settings. To address this issue, we present *a CAPpella*, a programming by demonstration Context-Aware Prototyping environment inten ...

Keywords: context-aware computing, end-user programming, programming-by-demonstration, statistical machine learning

60 User authentication through keystroke dynamics

Francesco Bergadano, Daniele Gunetti, Claudia Picardi

November 2002 **ACM Transactions on Information and System Security (TISSEC)**, Volume 5 Issue 4

Full text available: pdf(351.02 KB) Additional Information: full citation, abstract, references, index terms, review

Unlike other access control systems based on biometric features, keystroke analysis has not

led to techniques providing an acceptable level of accuracy. The reason is probably the intrinsic variability of typing dynamics, versus other---very stable---biometric characteristics, such as face or fingerprint patterns. In this paper we present an original measure for keystroke dynamics that limits the instability of this biometric feature. We have tested our approach on 154 individuals, achieving a F ...

Keywords: Biometric techniques, keystroke analysis

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